








Assessment Summary

Pennsylvania Run 0 to 3.3 KY500387_01	 <p>This part of the stream partially supports aquatic life, does not support swimming (Primary Contact Recreation), does not support fishing/wading/boating (Secondary Contact Recreation).</p>
Mouth to McNeely Lake Dam	
Jefferson County, Salt River Basin	
HUC 05140102	
Assessment Date: 4/8/2014	

Use	Cause of Impairment	Suspected Source(s) of Impairment	Basis for Listing	Data Collection and Analysis Methods ^{1,2,3}
 (5-NS)	Escherichia coli	Municipal Point Source Discharges, Urban Runoff/Storm Sewers	Concentrations exceeded the water quality standard	Pathogen Monitoring
 (5-NS)	Fecal Coliform	Municipal Point Source Discharges, Urban Runoff/Storm Sewers	Concentrations exceeded the water quality standard	Pathogen Monitoring
 (5-PS)	Nutrient/Eutrophication Biological Indicators	Loss of Riparian Habitat, Municipal Point Source Discharges, Non-Point Source, Urban Runoff/Storm Sewers	Problems associated with nutrient enrichment are evident in water quality conditions and/or the aquatic community	Biological Monitoring, Habitat Assessment, Monitoring Data Collected by Other Agencies or Organizations, Physical/Chemical Monitoring
 (5-PS)	Other flow regime alterations	Upstream Impoundments (e.g., PI-566 NRCS Structures)	Man-made or man-induced alteration of the chemical, physical (e.g. habitat), biological, and radiological integrity of water	Biological Monitoring, Habitat Assessment, Monitoring Data Collected by Other Agencies or Organizations, Physical/Chemical Monitoring
 (5-PS)	Particle distribution (Embeddedness)	Loss of Riparian Habitat, Streambank Modifications/destabilization	Man-made or man-induced alteration of the chemical, physical (e.g. habitat), biological, and radiological integrity of water	Biological Monitoring, Habitat Assessment, Monitoring Data Collected by Other Agencies or Organizations, Physical/Chemical Monitoring
 (5-PS)	Sedimentation/Siltation	Loss of Riparian Habitat, Streambank Modifications/destabilization, Urban Runoff/Storm Sewers	Sediment deposition is negatively affecting the aquatic community (e.g. habitat smothering) and/or recreation	Biological Monitoring, Habitat Assessment, Monitoring Data Collected by Other Agencies or Organizations, Physical/Chemical Monitoring

¹ Data locations: Physical/chemical monitoring data and pathogen data can be found on the EPA Water Quality Portal; chemical monitoring data for regulated facilities (e.g. wastewater and drinking water) can be found in the EPA ECHO database (online); biological monitoring summary scores and habitat assessment scores can be found in the EPA STORET database (online); and raw community species data and fish tissue analysis data are available on request through KDOW Open Records (expected in STORET 2015).

² Data Source(s): KDOW, MSD, USGS

³ Data Collection Date(s): 5/23/2007 - 6/18/2012

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